PRODUCT SPECIFICATION

Product description: FPC 4G Antenna
Partnumber: YNX-FPC-LTE-14020-250mm
Issue Date: 2020-02-21
Note: 698-960/1710-2690 Mhz, IPEX

客户签名				深圳市雅诺讯科技有限公司		
核准	审核	检查		核准	审核	编制
				黄杰武	陈杰锐	雷庆宾

Shenzhen Yetnorson Technology Co.,1td.

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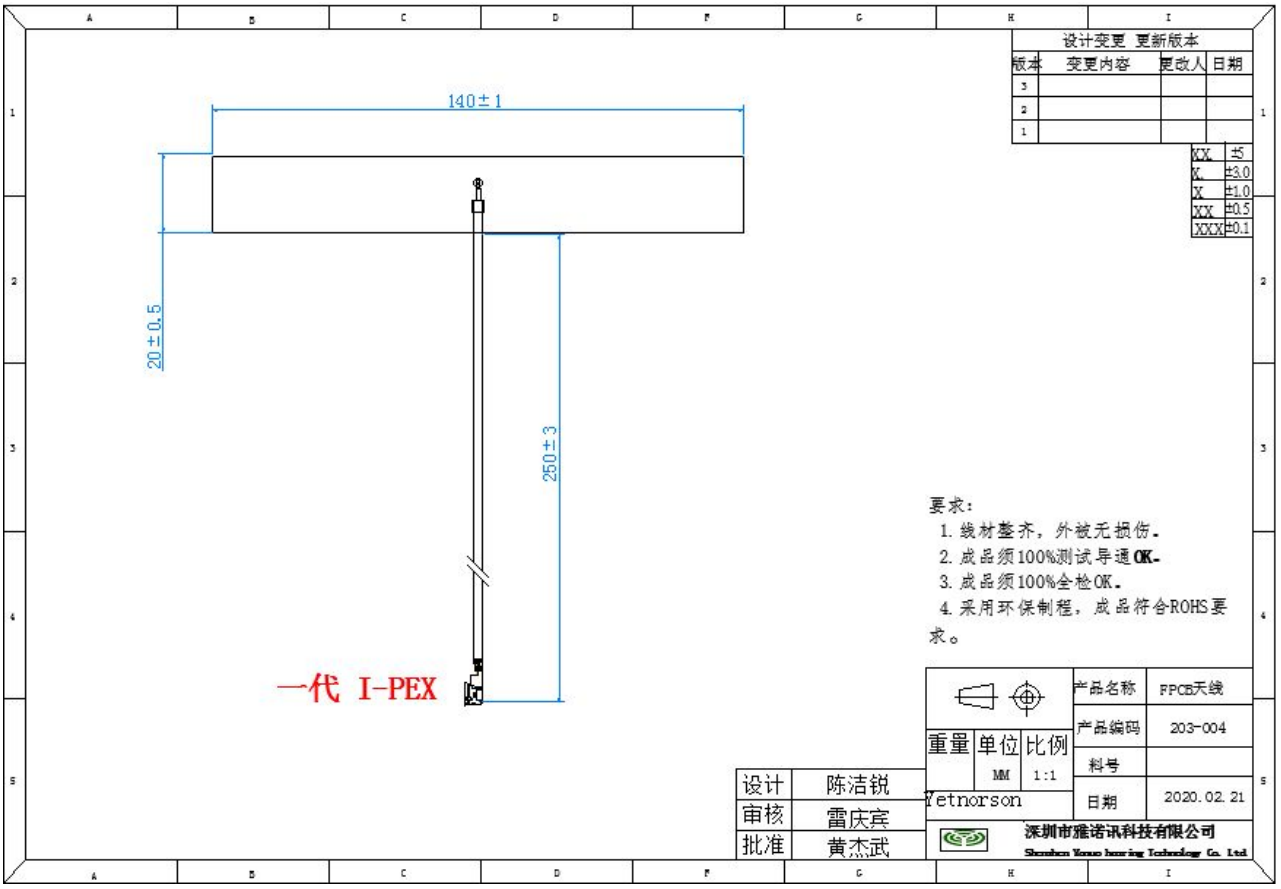
E-mail:sales06@ynxantenna.com

1. PRODUCT TECHNICAL SPECIFICATION

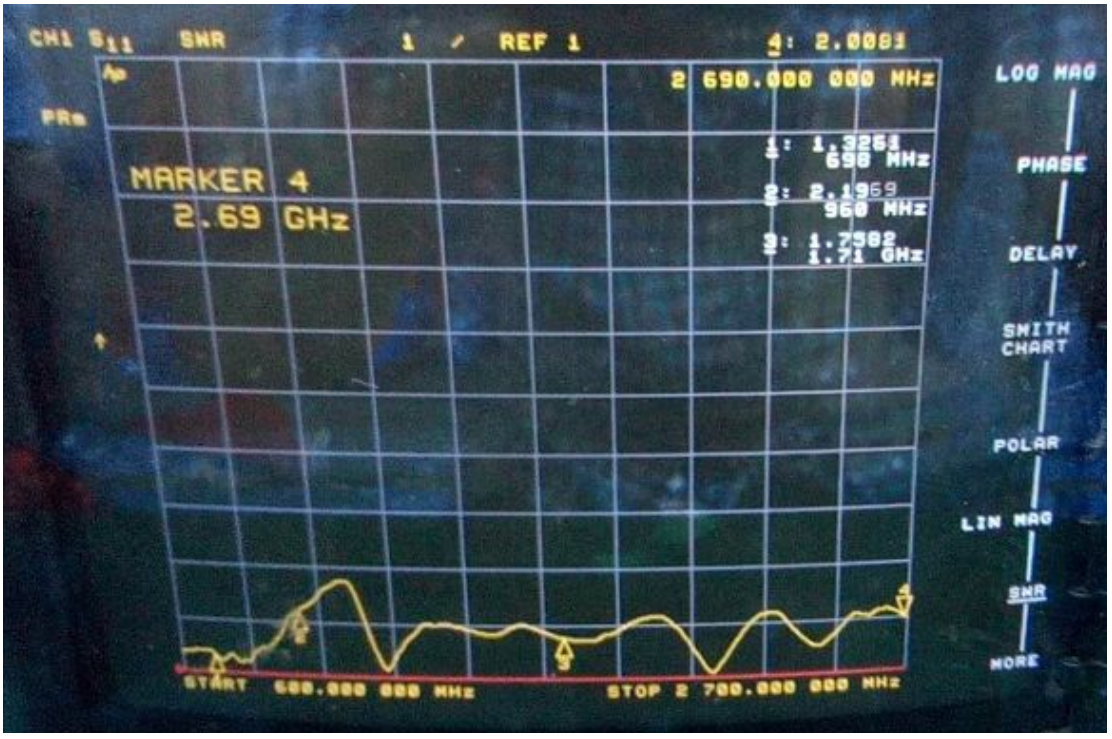
Electrical Specifications	
Frequency Range (MHz)	698-960/1710-2690
Bandwidth (MHz)	262/980
Input Impedance (Ω)	50
V.S.W.R	≤2.5
Gain (dBi)	3-5
Max Input Power (w)	50
Polarization Type	horizontal
Radiation Direction	Omnidirectional
Mechanical Specifications	
Antenna Length (mm)	140*20
Cable (mm)	250
Connect Type	IPEX
Operating Temperature	-20℃～+85℃
Storing Temperature	-40℃～+85℃
Radome Color	Black
Weight (g)	1.5

2. PRODUCT PICTURE

3.PRODUCT SPECIFICATION CHART



4. VSWR



5. Return Loss

6. Smith chart

7. ELECTRIC APPLIANCE CHARACTERISTICS

项目ITEM		测试环境TEST CONDITION	规格SPECIFICATION
1	返回损耗 Return Loss	使用Agilent网络分析仪8753ET测量天线S11之返回损耗参数 Using Agilent Network Analyzer 8753ET to Measure Antenna S11 Return Loss Characteristics.	
2	电压驻波比 VSWR	使用Agilent网络分析仪8753ET测量天线S11之电压驻波比参数 Using Agilent Network Analyzer 8753ET to Measure Antenna S11 VSWR Characteristics.	
3	阻抗 Smith chart	使用Agilent网络分析仪8753ET测量天线S11之史密斯阻抗参数 Using Agilent Network Analyzer 8753ET to Measure Antenna S11 Gain Response Characteristics.	
4	增益效应 Gain response	使用Agilent网络分析仪8753ET测量天线S21之史密斯阻抗参数 Using Agilent Network Analyzer 8753ET to Measure Antenna S21 Gain Response Characteristics.	

8. MECHANICAL CHARACTERISTICS

1	摇摆测试 BENDING TEST	放离接头30CM的线端上荷重120g，固定接头后进行遥摆测试，遥摆角度左右各60度，　遥摆1000次后测试特性.	遥摆1000次后测试特性无任何现象显示电器性能之损坏.
2	强度测试 STRENG TEST	一个15磅之静负荷施加放线端底部持续一分钟.	无任何现象显示机械及电器性能之损坏.
3	拉力测试 PULLING FORCE	用拉力计接头及线财间进行拉力测试.	可承受拉力为7Kg无任何现象显示电器性能之损坏.
4	振动测试 VIBRATION TEST	以1.10mm和振幅和33.30Hz/sec振动频率以X轴方向振动120分钟，Y轴方向振动120分钟，Z轴方向振动240分钟.	无任何现象显示电器性能之损坏.

9. DURABILITY

1	盐雾试验 SAIT SPRAY TEST	盐水喷雾试验：依GB1266-86标准 蒸馏水：一次蒸馏 PH6.5~7 喷雾量：1.4me80cm²/h 压缩空气压力：1Kgf/ cm² 试验相对度：98° 温度：45°~47° 压力温度：35° 测试时间：96hr	所有规格变华范围初始值30% All characteristic range is 30% of the initial value
2	高温试验 HEAT TEST	在85+2℃环境中放96小时，再放在正常环境中30分钟后进行测试 85+2℃ for 96 hours, after keep in normal condition for 30mim the to test.	
3	温试验 HUMIDITY TEST	在40+2℃ 90-95%RH环境中放96小时，再放在正常环境中30分钟后进行测试 40+2℃ 90-95%RH for 96hours, after keep in normal condition for 30mim the to test.	
4	底温试验 COLD TEST	在-40+2℃ 环境中放96小时，再置放正常环境中30分钟后进行测试 -40+2℃ for 96hours, after keep in normal condition for 30mim the to test.	

TÜV Rheinland (Shenzhen) Co., Ltd.
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4003 Shennan East Road
Shenzhen 518001
P. R. China

TÜVRheinland®

Certificate

Registration No.: 163036997
Report No.: Z08807784

Holder: Shenzhen Yetnorson Technology Co.,1td.

Product: Commun i cat i on Antenna

Product and its accessories comply with RoHS Directive 2002/95/EC
Please refer to test report No. Z08807784

Tested acc. To: 2002/95/EC

The certificate of conformity refer to the above mentioned product. This is certify that the specimen is in conformity with the standards mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

TÜV Rheinland (Shenzhen) Co., Ltd
Shenzhen, 10-07-2010

Certification Body
Dr. Volker Schwarz

CERTIFICATE OF REGISTRATION

MOODY INTERNATIONAL CERTIFICATION

This is to certify that the Quality Management Systems of:

深圳市雅诺讯科技有限公司

中国广东省深圳市龙岗区龙城街道爱联建新社区新坡路永成鞋厂永成三巷2号厂房4楼

经摩迪国际认证有限公司审核，其质量管理体系符合ISO 9001：2000标准之要求。

在持续遵循有关认证条例的基础上，准予注册。此认证结果为国际认可论坛(IAF)质量管理体系认证多边互认协议MLA成员认可。

本证书加贴年度监督防伪标签后，方为有效。

认证范围：通讯设备、通讯天线、车载电视天线的制造和销售。

注册号： **110512095**

UKAS QUALITY MANAGEMENT 014

For the Company

For the Governing Board

签发日期： *2018年01月13日*
有效日期： *2021年01月12日*

The use of the Accreditation Mark indicates accreditation in respect of those activities covered by the Accreditation Certificate 014. The certificate remains the property of Moody International Certification Limited to whom it must be returned on request.